Claims

1.   A method for distinguishing CBF-positive AML subtypes, preferably AML_t(8;21) and/or AML_inv(16) from CBF-negative AML subtypes, preferably AML_inv(3), AML_t(15;17), AML_t(11q23)/MLL (AML_MLL), and/or AML_komplext, in a sample, the method comprising determining the expression level of markers selected from the markers identifiable by their Affymetrix Identification Numbers (affy id) as defined in Tables 1, and/or 2,

wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.1 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.1 having a positive fc value,

is indicative for the presence of AML_CBF when AML_CBF is distinguished from all other subtypes,

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.2 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.2 having a positive fc value,

is indicative for the presence of AML_MLL when AML_MLL is distinguished from all other subtypes,

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.3 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.3 having a positive fc value,

is indicative for the presence of AML_inv(3) when AML_inv(3) is distinguished from all other subtypes,

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.4 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.4 having a positive fc value,

5   is indicative for the presence of AML_komplext when AML_komplext is distinguished from all other subtypes,

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.5 having a negative fc value, and/or

10   a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 1.5 having a positive fc value,

is indicative for the presence of AML_t(15;17) when AML_t(15;17) is distinguished from all other subtypes,

and/or wherein

15   a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.1 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.1 having a positive fc value,

is indicative for the presence of AML_CBF when AML_CBF is
20   distinguished from AML_MLL,

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.2 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least
25   one of the numbers 1 to 50 of Table 2.2 having a positive fc value,

is indicative for the presence of AML_CBF when AML_CBF is distinguished from AML_inv(3),

and/or wherein

a lower expression of at least one polynucleotide defined by at least one
30   of the numbers 1 to 50 of Table 2.3 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.3 having a positive fc value,

is indicative for the presence of AML_CBF when AML_CBF is distinguished from AML_komplext,

5   and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.4 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.4 having a positive fc value,

10   is indicative for the presence of AML_CBF when AML_CBF is distinguished from AML_t(15;17),

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.5 having a negative fc value, and/or

15   a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.5 having a positive fc value,

is indicative for the presence of AML_MLL when AML_MLL is distinguished from AML_inv(3),

and/or wherein

20   a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.6 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.6 having a positive fc value,

is indicative for the presence of AML_MLL when AML_MLL is distinguished from AML_komplext,

25   and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.7 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.7 having a positive fc value,

30

is indicative for the presence of AML_MLL when AML_MLL is distinguished from AML_t(15;17),

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.8 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.8 having a positive fc value,

is indicative for the presence of AML_inv(3) when AML_inv(3) is distinguished from AML_komplext,

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.9 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.9 having a positive fc value,

is indicative for the presence of AML_inv(3) when AML_inv(3) is distinguished from AML_t(15;17),

and/or wherein

a lower expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.10 having a negative fc value, and/or

a higher expression of at least one polynucleotide defined by at least one of the numbers 1 to 50 of Table 2.10 having a positive fc value,

is indicative for the presence of AML_komplext when AML_komplext is distinguished from AML_t(15;17).

2.   The method according to claim 1 wherein the polynucleotide is labelled.

3.   The method according to claim 1 or 2, wherein the label is a luminescent, preferably a fluorescent label, an enzymatic or a radioactive label.

4.   The method according at least one of the claims 1-3, wherein the expression level of at least two, preferably of at least ten, more preferably of at least 25, most preferably of 50 of the markers of at least one of the Tables 1.1- 2.10 is determined.

5

5.   The method according to at least one of the claims 1-4, wherein the expression level of markers expressed lower in a first subtype than in at least one second subtype, which differs from the first subtype, is at least 5 %, 10% or 20%, more preferred at least 50% or may even be 75% or 100%, i.e. 2-fold lower, preferably at least 10-fold, more preferably at least 50- fold, and most preferably at least 100-fold lower in the first subtype.

10

6.   The method according to at least one of the claims 1-4, wherein the expression level of markers expressed higher in a first subtype than in at least one second subtype, which differs from the first subtype, is at least 5 %, 10% or 20%, more preferred at least 50% or may even be 75% or 100%, i.e. 2-fold higher, preferably at least 10-fold, more preferably at least 50- fold, and most preferably at least 100-fold higher in the first subtype.

15

20   7.   The method according to at least one of the claims 1-6, wherein the sample is from an individual having AML.

8.   The method according to at least one of the claims 1-7, wherein at least one polynucleotide is in the form of a transcribed polynucleotide, or a portion thereof.

25

9.   The method according to claim 8, wherein the transcribed polynucleotide is a mRNA or a cDNA.

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10. The method according to claim 8 or 9, wherein the determining of the expression level comprises hybridizing the transcribed polynucleotide to a complementary polynucleotide, or a portion thereof, under stringent hybridization conditions.

5

11. The method according to at least one of the claims 1-7, wherein at least one polynucleotide is in the form of a polypeptide, or a portion thereof.

12. The method according to at least one of the claims 8, 9 or 12, wherein the determining of the expression level comprises contacting the polynucleotide or the polypeptide with a compound specifically binding to the polynucleotide or the polypeptide.

10

13. The method according to claim 12, wherein the compound is an antibody, or a fragment thereof.

15

14. The method according to at least one of the claims 1-13, wherein the method is carried out on an array.

20 15. The method according to at least one of the claims 1-14, wherein the method is carried out in a robotics system.

16. The method according to at least one of the claims 1-15, wherein the method is carried out using microfluidics.

25

17. Use of at least one marker as defined in at least one of the claims 1-3 for the manufacturing of a diagnostic for distinguishing CBF-positive AML subtypes from CBF-negative AML subtypes.

18.   The use according to claim 17 for distinguishing CBF-positive AML
       subtypes from CBF-negative AML subtypes.

19.   A diagnostic kit containing at least one marker as defined in at least one of
       the claims 1-3 for distinguishing CBF-positive AML subtypes from CBF-
       negative AML subtypes, in combination with suitable auxiliaries.

20.   The diagnostic kit according to claim 19, wherein the kit contains a
       reference for the CBF-positive AML subtype and/ or the CBF-negative
       AML subtype.

21.   The diagnostic kit according to claim 20, wherein the reference is a sample
       or a data bank.

22.   An apparatus for distinguishing CBF-positive AML subtypes from CBF-
       negative AML subtypes in a sample containing a reference data bank.

23.   The apparatus according to claim 22, wherein the reference data bank is
       obtainable by comprising
              (a) compiling a gene expression profile of a patient sample by
                  determining the expression level of at least one marker selected
                  from the markers identifiable by their Affymetrix Identification
                  Numbers (affy id) as defined in Tables 1, and/or 2, and
              (b) classifying the gene expression profile by means of a machine
                  learning algorithm.

24.   The apparatus according to claim 23, wherein the machine learning
       algorithm is selected from the group consisting of Weighted Voting, K-
       Nearest Neighbors, Decision Tree Induction, Support Vector Machines, and
       Feed-Forward Neural Networks, preferably Support Vector Machines.

25.   The apparatus according to at least one of the claims 22-24, wherein the apparatus contains a control panel and/or a monitor.

26.   A reference data bank for distinguishing CBF-positive AML subtypes from CBF-negative AML subtypes obtainable by comprising

(a) compiling a gene expression profile of a patient sample by determining the expression level of at least one marker selected from the markers identifiable by their Affymetrix Identification Numbers (affy id) as defined in Tables 1, and/or 2, and

(b) classifying the gene expression profile by means of a machine learning algorithm.

27.   The reference data bank according to claim 26, wherein the reference data bank is backed up and/or contained in a computational memory chip.

Table 1

1. One-Versus-All (OVA)							
1.1	AML_CBF versus rest						
#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	224998_at	CKLFSF4	-2.20	1.12E-22	2.46E-18	-0.95	-11.71	16q21
2	204198_s_at	RUNX3	-4.24	1.02E-21	1.12E-17	-0.92	-11.33	1p36
3	217963_s_at	NGFRAP1	-17.14	1.44E-19	1.06E-15	-1.00	-11.10	Xq22.1
4	214651_s_at	HOXA9	-21.04	9.39E-19	3.32E-15	-0.97	-10.76	7p15-p14
5	241706_at	LOC144402	-4.85	1.05E-18	3.32E-15	-0.87	-10.42	12q11
6	204197_s_at	RUNX3	-3.28	1.03E-18	3.32E-15	-0.85	-10.34	1p36
7	228058_at	LOC124220	2.68	7.94E-17	1.17E-13	0.90	10.29	16p13.3
8	212895_s_at	ABR	-2.27	4.71E-19	2.60E-15	-0.83	-10.26	17p13.3
9	213908_at		-8.28	6.66E-17	1.05E-13	-0.90	-9.94	
10	206847_s_at	HOXA7	-4.17	4.34E-17	8.70E-14	-0.84	-9.87	7p15-p14
11	203379_at	RPS6KA1	-2.15	7.80E-18	2.15E-14	-0.79	-9.82	3
12	215087_at		-2.55	1.80E-17	4.41E-14	-0.79	-9.71	
13	225009_at	CKLFSF4	-3.66	8.94E-17	1.23E-13	-0.82	-9.68	16q21
14	218608_at	HSA9947	-4.03	2.89E-17	6.37E-14	-0.78	-9.63	1p36
15	235753_at		-7.51	4.38E-16	4.39E-13	-0.89	-9.61	
16	217975_at	LOC51186	-7.65	2.71E-16	3.14E-13	-0.82	-9.56	Xq22.1
17	228365_at	LOC144402	-6.72	2.45E-16	3.00E-13	-0.81	-9.54	12q11
18	220558_x_at	PHEMX	-1.78	5.80E-17	9.83E-14	-0.76	-9.46	11p15.5
19	203949_at	MPO	1.99	5.58E-17	9.83E-14	0.76	9.45	17q23.1
20	233467_s_at	PHEMX	-1.82	1.48E-16	1.91E-13	-0.75	-9.30	11p15.5
21	223299_at	LOC90701	-2.04	3.34E-16	3.67E-13	-0.75	-9.23	18q21.31
22	204000_at	GNB5	-2.25	3.77E-16	3.96E-13	-0.75	-9.21	15q15.3
23	202178_at	PRKCZ	-6.84	8.06E-16	7.72E-13	-0.74	-9.11	1p36.33-p36.2
24	209905_at	HOXA9	-59.65	6.93E-15	4.93E-12	-0.86	-9.09	7p15-p14
25	213147_at	HOXA10	-4.59	1.50E-15	1.27E-12	-0.75	-9.06	7p15-p14
26	238756_at		-2.94	1.28E-15	1.18E-12	-0.74	-9.05	
27	205760_s_at	OGG1	-2.41	1.50E-15	1.27E-12	-0.72	-8.94	3p26.2
28	203741_s_at	ADCY7	-3.08	2.67E-15	2.18E-12	-0.72	-8.89	16q12-q13
29	52975_at	FLJ00001	-2.15	3.50E-15	2.70E-12	-0.71	-8.78	9q34.11
30	221581_s_at	WBSCR5	-2.85	3.56E-15	2.70E-12	-0.70	-8.76	7q11.23
31	204495_s_at	DKFZP434H132	-2.45	6.20E-15	4.55E-12	-0.70	-8.66	15q22.33
32	226586_at	FLJ36928	-2.17	9.71E-15	6.68E-12	-0.69	-8.59	9q22.33
33	213353_at	ABCA5	-2.42	1.58E-14	1.05E-11	-0.69	-8.53	17q24.3
34	243010_at	MSI2	-2.24	5.29E-14	2.99E-11	-0.72	-8.51	17q23.1
35	211031_s_at	CYLN2	-3.67	3.60E-14	2.21E-11	-0.69	-8.46	7q11.23
36	235391_at	LOC137392	-4.46	1.05E-13	5.52E-11	-0.72	-8.43	8q21.3
37	232636_at	DKFZp547M2010	-4.24	3.07E-14	1.99E-11	-0.68	-8.43	Xq27.3
38	224839_s_at	GPT2	-4.15	4.82E-14	2.87E-11	-0.69	-8.42	16q12.1

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
39	213150_at	HOXA10	-7.84	8.93E-14	4.80E-11	-0.70	-8.38	7p15-p14
40	222987_s_at	TMEM9	-1.44	3.60E-14	2.21E-11	-0.67	-8.37	
41	202887_s_at	RTP801	-2.64	5.54E-14	3.05E-11	-0.67	-8.32	10pter-q26.12
42	203188_at	B3GNT6	-1.65	5.24E-14	2.99E-11	-0.67	-8.31	11q13.1
43	213241_at		-3.48	1.10E-13	5.64E-11	-0.68	-8.26	
44	201811_x_at	SH3BP5	-4.42	2.55E-13	1.15E-10	-0.70	-8.25	3p24.3
45	230894_s_at		-5.34	2.58E-13	1.15E-10	-0.69	-8.21	
46	225240_s_at		-2.96	2.03E-13	9.71E-11	-0.68	-8.20	
47	226134_s_at		-3.24	2.38E-13	1.12E-10	-0.68	-8.19	
48	201700_at	CCND3	-1.90	1.27E-13	6.37E-11	-0.65	-8.14	6p21
49	220560_at	C11orf21	-2.42	1.91E-13	9.36E-11	-0.65	-8.08	11p15.5
50	37408_at	MRC2	-2.36	2.72E-13	1.17E-10	-0.66	-8.08	17q23.3
1.2	AML_MLL versus rest							
#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	202746_at	ITM2A	-11.87	5.73E-34	1.18E-29	-1.31	-16.09	Xq13.3-Xq21.2
2	201830_s_at	NET1	-4.57	2.16E-32	2.23E-28	-1.22	-15.22	10p15
3	202747_s_at	ITM2A	-12.16	8.61E-32	5.93E-28	-1.22	-15.13	Xq13.3-Xq21.2
4	201829_at	NET1	-2.89	1.31E-27	6.75E-24	-1.08	-13.43	10p15
5	200953_s_at	CCND2	-3.65	6.66E-27	2.29E-23	-1.08	-13.32	12p13
6	225831_at	LOC148894	-3.76	6.08E-27	2.29E-23	-1.07	-13.26	1p36.11
7	226517_at	BCAT1	-9.69	8.03E-25	2.37E-21	-1.03	-12.63	12pter-q12
8	225653_at		-1.93	9.80E-25	2.53E-21	-1.01	-12.52	
9	200951_s_at	CCND2	-4.19	4.36E-24	1.00E-20	-0.98	-12.19	12p13
10	225344_at	ERAP140	-4.57	8.97E-23	1.68E-19	-0.96	-11.76	6q22.33
11	218966_at	MYO5C	-2.65	5.13E-23	1.06E-19	-0.94	-11.73	15q21
12	214651_s_at	HOXA9	5.18	7.62E-15	1.77E-12	1.21	11.53	7p15-p14
13	235818_at		-8.30	2.81E-22	4.84E-19	-0.92	-11.45	
14	225285_at		-8.04	1.75E-21	2.78E-18	-0.89	-11.14	
15	214390_s_at	BCAT1	-8.28	4.51E-21	6.65E-18	-0.90	-11.10	12pter-q12
16	200602_at	APP	-8.23	5.14E-21	7.07E-18	-0.88	-10.97	21q21.3
17	200665_s_at	SPARC	-7.09	6.57E-21	8.48E-18	-0.88	-10.95	5q31.3-q32
18	227297_at		-11.30	6.91E-20	6.80E-17	-0.90	-10.82	
19	211137_s_at	ATP2C1	-2.27	3.86E-20	4.20E-17	-0.86	-10.70	3q21-q24
20	219188_s_at	LRP16	-3.60	3.06E-20	3.72E-17	-0.86	-10.69	11q11
21	213549_at	PRO2730	-3.50	3.49E-20	4.01E-17	-0.86	-10.69	3p21.31
22	203544_s_at	STAM	-3.11	5.12E-20	5.29E-17	-0.86	-10.66	10p14-p13
23	218041_x_at	SLC38A2	-1.73	9.32E-15	2.09E-12	-1.02	-10.61	12q
24	214439_x_at	BIN1	-2.96	7.32E-19	6.05E-16	-0.87	-10.58	2q14
25	212558_at	SPRY1	-4.05	1.32E-19	1.19E-16	-0.84	-10.46	4q27
26	219271_at	GalNac-T10	-5.87	1.22E-19	1.15E-16	-0.84	-10.45	2p23.1
27	206761_at	TACTILE	-12.89	2.40E-18	1.71E-15	-0.88	-10.29	3q13.13

28	213737_x_at		2.00	1.02E-13	1.76E-11	1.03	10.26	
29	220306_at	FLJ20202	-4.14	5.04E-19	4.34E-16	-0.83	-10.25	1p11.1
30	235753_at	.	5.24	3.02E-12	3.14E-10	1.23	10.24	
31	231259_s_at	CCND2	-2.31	7.32E-18	4.41E-15	-0.84	-10.19	12p13
32	219686_at	HSA250839	-10.50	4.76E-18	3.07E-15	-0.87	-10.15	4p16.2
33	214643_x_at	BIN1	-3.29	2.37E-18	1.71E-15	-0.82	-10.13	2q14
34	213147_at	HOXA10	4.22	3.73E-12	3.74E-10	1.19	10.08	7p15-p14
35	214953_s_at	APP	-5.12	2.13E-18	1.63E-15	-0.81	-10.08	21q21.3
36	227584_at		-3.12	1.82E-18	1.45E-15	-0.81	-10.05	
37	222780_s_at	BAALC	-5.21	7.65E-18	4.41E-15	-0.84	-10.01	8q22.3
38	220104_at	ZAP	-2.69	2.75E-18	1.88E-15	-0.81	-10.00	7q34
39	204082_at	PBX3	5.98	1.49E-11	1.24E-09	1.36	9.97	9q33-q34
40	209362_at	SURB7	-1.83	1.20E-16	4.44E-14	-0.84	-9.96	12p11.23
41	221832_s_at	LOC148894	-2.76	1.50E-17	7.92E-15	-0.82	-9.96	1p36.11
42	209543_s_at	CD34	-6.34	2.82E-18	1.88E-15	-0.80	-9.95	1q32
43	201015_s_at	JUP	-5.25	5.65E-17	2.24E-14	-0.83	-9.95	17q21
44	210201_x_at	BIN1	-2.47	2.04E-17	9.97E-15	-0.81	-9.88	2q14
45	206009_at	ITGA9	-2.93	9.65E-18	5.39E-15	-0.80	-9.87	3p21.3
46	221760_at	MAN1A1	-6.54	1.24E-17	6.74E-15	-0.81	-9.86	6q22
47	218899_s_at	BAALC	-7.37	1.98E-17	9.95E-15	-0.83	-9.86	8q22.3
48	223075_s_at	IBA2	-3.77	6.94E-18	4.35E-15	-0.79	-9.83	9q34.13-q34.3
49	226473_at	LOC147136	-3.01	1.71E-17	8.85E-15	-0.80	-9.81	17q25.3
50	224049_at	KCNK17	-2.99	7.68E-18	4.41E-15	-0.79	-9.78	6p21.1
1.3	AML_inv(3) versus rest							
#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	205382_s_at	DF	-5.56	5.89E-23	1.44E-18	-0.95	-11.78	19p13.3
2	212318_at	TRN-SR	-2.30	8.43E-19	4.13E-15	-1.01	-11.72	7q32.2
3	210115_at	RPL39L	-7.32	2.23E-21	2.73E-17	-0.92	-11.23	3q27
4	200700_s_at	KDELR2	-2.59	6.00E-17	1.77E-13	-0.98	-11.19	7p22.2
5	204921_at	GAS8	-3.02	3.34E-21	2.73E-17	-0.89	-11.06	16q24.3
6	204301_at	KIAA0711	-8.14	1.10E-19	6.77E-16	-0.85	-10.54	8p23.2
7	203949_at	MPO	-3.59	2.09E-15	3.56E-12	-0.89	-10.23	17q23.1
8	205131_x_at	SCGF	-6.54	1.56E-18	6.39E-15	-0.81	-10.04	19q13.3
9	209122_at	ADFP	-3.26	5.65E-16	1.16E-12	-0.85	-10.04	9p21.3
10	211709_s_at	SCGF	-3.76	5.33E-13	3.72E-10	-0.92	-9.87	19q13.3
11	223703_at	CDA017	-2.37	1.10E-16	2.45E-13	-0.81	-9.84	10q23.1
12	210783_x_at	SCGF	-6.06	2.95E-17	1.03E-13	-0.77	-9.58	19q13.3
13	203948_s_at	MPO	-4.43	3.40E-15	4.90E-12	-0.81	-9.55	17q23.1
14	204647_at	HOMER3	-3.83	6.50E-17	1.77E-13	-0.77	-9.55	19p13.11
15	228293_at	LOC91614	-5.75	6.24E-15	8.05E-12	-0.81	-9.49	11p13
16	202487_s_at	H2AV	-1.94	4.75E-11	1.66E-08	-0.95	-9.44	7p13
17	202954_at	UBE2C	-2.40	2.88E-15	4.42E-12	-0.79	-9.43	20q13.11

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
18	231300_at	LOC90835	-2.82	4.09E-15	5.57E-12	-0.79	-9.42	16p11.2
19	201186_at	LRPAP1	-2.34	9.17E-15	1.12E-11	-0.80	-9.39	4p16.3
20	203421_at	PIG11	-4.30	1.04E-16	2.45E-13	-0.75	-9.35	11p11.2
21	205248_at	C21orf5	-1.85	3.75E-13	2.87E-10	-0.82	-9.27	21q22.2
22	226789_at		-2.35	1.57E-13	1.28E-10	-0.81	-9.24	
23	223609_at	ASP	-2.48	1.04E-14	1.20E-11	-0.77	-9.20	2p11.2
24	202605_at	GUSB	-2.34	2.07E-11	8.60E-09	-0.87	-9.12	7q21.11
25	230480_at	HIWI2	-2.94	1.07E-15	2.02E-12	-0.74	-9.11	11q21
26	202185_at	PLOD3	-1.85	8.56E-13	5.38E-10	-0.81	-9.06	7q22
27	231736_x_at	MGST1	-3.17	2.36E-12	1.32E-09	-0.81	-9.02	12p12.3-p12.1
28	230044_at		-2.76	4.97E-13	3.58E-10	-0.79	-8.99	
29	203591_s_at	CSF3R	-2.66	6.26E-14	6.13E-11	-0.75	-8.91	1p35-p34.3
30	210140_at	CST7	-3.80	2.18E-15	3.56E-12	-0.72	-8.89	20p11.21
31	208795_s_at	MCM7	-2.07	6.37E-12	3.22E-09	-0.81	-8.87	7q21.3-q22.1
32	227429_at	MGC45840	-2.30	5.47E-13	3.72E-10	-0.76	-8.80	11p15.5
33	227165_at	C13orf3	-1.88	7.09E-13	4.70E-10	-0.76	-8.72	13q11
34	221739_at	IL27w	-1.71	2.23E-10	5.63E-08	-0.85	-8.67	19p13.3
35	216640_s_at	P5	-2.21	1.08E-11	4.90E-09	-0.78	-8.60	2p25.1
36	204548_at	STAR	-7.36	1.08E-14	1.20E-11	-0.69	-8.58	8p11.2
37	224918_x_at	MGST1	-2.95	6.50E-11	2.21E-08	-0.80	-8.56	12p12.3-p12.1
38	226123_at	LOC286180	-3.18	2.61E-13	2.06E-10	-0.72	-8.56	8q12.1
39	226071_at	DKFZP434K1772	-2.96	1.91E-14	2.03E-11	-0.68	-8.48	1q21.2
40	200078_s_at - HG-U133A	ATP6V0B	-1.88	8.78E-10	1.64E-07	-0.86	-8.46	1p32.3
41	201580_s_at	DJ971N18.2	-1.91	2.38E-12	1.32E-09	-0.73	-8.44	20p12
42	211048_s_at	ERP70	-2.33	1.30E-12	7.96E-10	-0.72	-8.43	7q35
43	218681_s_at	SDF2L1	-2.14	5.66E-14	5.79E-11	-0.69	-8.42	22q11.21
44	218829_s_at	KIAA1416	-2.35	1.04E-13	9.81E-11	-0.69	-8.41	8q12.1
45	225002_s_at	DKFZP566I1024	-2.16	8.62E-10	1.64E-07	-0.83	-8.32	7q11.1
46	204332_s_at	AGA	-1.67	1.05E-11	4.85E-09	-0.72	-8.25	4q32-q33
47	201940_at	CPD	-1.93	6.93E-12	3.40E-09	-0.71	-8.23	17p11.1-q11.2
48	217770_at	PIGT	-1.73	1.93E-10	5.15E-08	-0.77	-8.22	20q12-q13.12
49	203675_at	NUCB2	-2.16	4.33E-11	1.56E-08	-0.74	-8.22	11p15.1-p14
50	206589_at	GFI1	-3.21	2.09E-10	5.46E-08	-0.77	-8.20	1p22
1.4	AML_komplext versus rest							
#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	223318_s_at	MGC10974	-3.31	9.11E-24	1.10E-19	-0.97	-12.08	19p13.3
2	200608_s_at	RAD21	1.76	6.44E-15	1.55E-11	1.07	10.89	8q24
3	227056_at		-2.48	1.79E-19	1.08E-15	-0.89	-10.82	

4	222229_x_at		-1.42	1.84E-14	3.70E-11	-1.04	-10.59	
5	202413_s_at	USP1	1.91	1.91E-13	1.92E-10	1.07	10.31	1p32.1-p31.3
6	205382_s_at	DF	-3.93	4.77E-19	1.92E-15	-0.82	-10.25	19p13.3
7	201377_at	NICE-4	2.10	2.11E-12	1.36E-09	1.14	10.02	1q21.3
8	209190_s_at	DIAPH1	-2.04	1.60E-16	4.84E-13	-0.76	-9.41	5q31
9	209523_at	TAF2	2.40	1.16E-11	4.27E-09	1.03	9.31	8q24.12
10	212232_at	FNBP4	1.72	9.27E-12	3.73E-09	0.95	9.10	11p11.12
11	222902_s_at	FLJ21144	1.75	5.62E-12	2.61E-09	0.92	9.09	1p34.1
12	218436_at	SIL1	-2.51	8.04E-14	8.83E-11	-0.79	-9.00	5q31
13	217846_at	QARS	-1.51	2.14E-12	1.36E-09	-0.85	-8.94	3p21.3-p21.1
14	209022_at	STAG2	1.85	2.29E-11	7.28E-09	0.95	8.94	Xq25
15	224481_s_at	HECTD1	1.62	2.29E-11	7.28E-09	0.92	8.82	14q12
16	203079_s_at	CUL2	2.05	3.30E-11	9.28E-09	0.93	8.78	10p11.21
17	200093_s_at - HG-U133B	HINT1	-1.63	5.11E-12	2.47E-09	-0.83	-8.73	5q31.2
18	202406_s_at	TIAL1	1.58	4.59E-11	1.18E-08	0.93	8.71	10q
19	208645_s_at	RPS14	-1.28	1.91E-11	6.59E-09	-0.85	-8.58	5q31-q33
20	227878_s_at	MGC10974	-1.56	6.33E-14	7.65E-11	-0.71	-8.58	19p13.3
21	216032_s_at	SDBCAG84	-2.10	4.12E-14	7.11E-11	-0.70	-8.53	20pter-q12
22	203519_s_at	UPF2	1.96	1.00E-10	2.28E-08	0.90	8.47	10p14-p13
23	223592_s_at	MGC13061	-1.93	4.84E-14	7.31E-11	-0.69	-8.45	17q11.2
24	218331_s_at	FLJ20360	1.98	1.23E-10	2.60E-08	0.90	8.41	10p15.1
25	212058_at	SR140	1.69	1.74E-10	3.34E-08	0.91	8.38	3q23
26	214700_x_at	DKFZP434D193	2.48	4.42E-10	7.26E-08	0.99	8.35	2q23.3
27	202659_at	PSMB10	-2.31	1.06E-12	8.00E-10	-0.72	-8.32	16q22.1
28	233168_s_at	IMAGE3510317	1.60	5.29E-11	1.33E-08	0.82	8.30	22q13.33
29	213514_s_at	DIAPH1	-2.20	5.82E-14	7.65E-11	-0.67	-8.30	5q31
30	212463_at		3.56	5.90E-10	9.25E-08	1.01	8.30	
31	213682_at	NUP50	1.74	1.70E-10	3.31E-08	0.87	8.27	22q13.31
32	217729_s_at	AES	-1.91	2.55E-13	2.37E-10	-0.68	-8.21	19p13.3
33	201807_at	VPS26	1.73	1.11E-10	2.39E-08	0.83	8.20	10q21.1
34	209259_s_at	CSPG6	1.95	3.62E-10	6.24E-08	0.90	8.19	10q25
35	201352_at	YME1L1	1.61	2.00E-10	3.63E-08	0.86	8.18	10p14
36	200094_s_at - HG-U133B	EEF2	-1.36	1.03E-11	4.02E-09	-0.74	-8.17	19pter-q12
37	218040_at	FLJ10330	1.86	3.04E-10	5.32E-08	0.87	8.14	1p13.2
38	239071_at		1.60	2.63E-11	7.93E-09	0.76	8.13	
39	223591_at	MGC13061	-1.75	3.85E-13	3.32E-10	-0.66	-8.11	17q11.2
40	200984_s_at	CD59	2.81	8.46E-10	1.26E-07	0.95	8.10	11p13
41	218577_at	FLJ20331	1.85	3.75E-10	6.29E-08	0.83	7.97	1p31.1
42	206003_at	KIAA0635	1.92	2.09E-10	3.70E-08	0.79	7.95	4q12
43	208646_at	RPS14	-2.03	7.38E-12	3.07E-09	-0.68	-7.89	5q31-q33
44	218600_at	MGC10986	-1.99	2.63E-12	1.53E-09	-0.66	-7.88	17q24.1
45	201360_at	CST3	-2.67	9.31E-13	7.49E-10	-0.64	-7.87	20p11.21
46	218917_s_at	SMARCF1	1.80	1.11E-09	1.47E-07	0.87	7.85	1p35.3
47	201498_at	USP7	1.89	1.41E-09	1.74E-07	0.89	7.83	16p13.3

48	208826_x_at	HINT1	-1.40	7.93E-11	1.87E-08	-0.73	-7.83	5q31.2
49	223276_at	NID67	-1.89	6.77E-12	2.92E-09	-0.66	-7.81	5q33.1
50	200985_s_at	CD59	3.64	2.10E-09	2.30E-07	0.92	7.81	11p13
1.5	AML_t(15;17) versus rest							
#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	211990_at	HLA-DPA1	-10.42	4.21E-49	7.95E-45	-1.78	-22.09	6p21.3
2	209732_at	CLECSF2	-34.05	2.99E-46	2.82E-42	-1.80	-21.72	12p13-p12
3	201923_at	PRDX4	-7.30	2.26E-39	1.42E-35	-1.50	-18.49	Xp22.13
4	204425_at	ARHGAP4	-16.74	1.59E-38	7.50E-35	-1.45	-17.83	Xq28
5	205771_s_at	AKAP7	-9.68	2.85E-35	1.08E-31	-1.31	-16.30	6q23
6	200931_s_at	VCL	-4.09	2.77E-31	5.23E-28	-1.31	-15.91	10q22.1-q23
7	214450_at	CTSW	7.86	6.54E-13	2.63E-11	2.45	15.88	11q13.1
8	211474_s_at	SERPINB6	-4.37	5.15E-32	1.21E-28	-1.28	-15.72	6p25
9	227353_at	EVER2	-3.92	3.55E-25	2.16E-22	-1.36	-15.67	17q25.3
10	204661_at	CDW52	-19.47	8.52E-33	2.68E-29	-1.25	-15.47	1p36
11	38487_at	STAB1	8.83	1.62E-12	6.04E-11	2.50	15.40	3p21.31
12	201137_s_at	HLA-DPB1	-10.31	1.47E-32	3.96E-29	-1.24	-15.38	6p21.3
13	217478_s_at	HLA-DMA	-5.26	1.08E-30	1.70E-27	-1.25	-15.34	6p21.3
14	212953_x_at	CALR	3.10	5.60E-13	2.28E-11	2.11	15.18	19p13.3-p13.2
15	217848_s_at	PP	-3.56	3.36E-24	1.54E-21	-1.30	-15.01	10q11.1-q24
16	227598_at	LOC113763	-3.99	3.01E-29	3.78E-26	-1.23	-14.98	7q35
17	213587_s_at	LOC155066	-5.19	2.06E-31	4.32E-28	-1.20	-14.90	7q36.1
18	208306_x_at	HLA-DRB4	-6.81	7.24E-29	8.53E-26	-1.21	-14.79	6p21.3
19	34210_at	CDW52	-24.96	9.96E-31	1.70E-27	-1.20	-14.77	1p36
20	236554_x_at	EVER2	-3.72	4.52E-26	3.22E-23	-1.24	-14.75	17q25.3
21	203535_at	S100A9	-7.39	1.67E-27	1.66E-24	-1.21	-14.64	1q21
22	221004_s_at	ITM2C	4.51	3.65E-13	1.58E-11	1.86	14.57	2q37
23	203948_s_at	MPO	2.82	1.81E-17	2.11E-15	1.39	14.34	17q23.1
24	204362_at	SCAP2	-10.94	7.03E-30	1.02E-26	-1.15	-14.26	7p21-p15
25	211991_s_at	HLA-DPA1	-15.52	2.25E-29	3.02E-26	-1.15	-14.21	6p21.3
26	209312_x_at	HLA-DRB1	-6.22	1.01E-26	8.69E-24	-1.17	-14.19	6p21.3
27	200654_at	P4HB	2.09	1.32E-14	8.02E-13	1.49	13.85	17q25
28	221865_at	DKFZp547P234	-3.19	2.67E-24	1.29E-21	-1.14	-13.64	9q33.1
29	225639_at	SCAP2	-9.13	3.33E-27	2.99E-24	-1.10	-13.55	7p21-p15
30	238949_at	FLJ31951	-7.68	1.56E-27	1.63E-24	-1.09	-13.51	5q33.3
31	241742_at	PRAM-1	-6.88	1.27E-27	1.41E-24	-1.08	-13.44	19p13.2
32	232617_at	CTSS	-5.12	1.95E-27	1.83E-24	-1.08	-13.37	1q21
33	208982_at	PECAM1	-4.42	1.65E-26	1.36E-23	-1.06	-13.14	17q23
34	238022_at		6.24	1.40E-11	4.18E-10	1.90	13.12	
35	227999_at	LOC170394	-2.87	1.83E-19	3.20E-17	-1.17	-13.12	10q26.3
36	223280_x_at	MS4A6A	-14.76	4.62E-26	3.22E-23	-1.07	-13.08	11q12.1

37	216899_s_at	SCAP2	-5.23	3.80E-26	2.99E-23	-1.05	-13.02	7p21-p15
38	204670_x_at	HLA-DRB5	-5.19	1.54E-20	3.33E-18	-1.13	-12.96	6p21.3
39	208892_s_at	DUSP6	-5.59	3.69E-23	1.42E-20	-1.08	-12.95	12q22-q23
40	229041_s_at		-21.00	1.64E-25	1.06E-22	-1.07	-12.92	
41	204319_s_at	RGS10	-4.08	4.35E-26	3.22E-23	-1.04	-12.90	10q25
42	204361_s_at	SCAP2	-7.94	2.37E-25	1.49E-22	-1.04	-12.87	7p21-p15
43	209288_s_at	CDC42EP3	-8.17	6.25E-26	4.20E-23	-1.03	-12.81	2p21
44	204046_at	PLCB2	-5.14	4.73E-22	1.51E-19	-1.08	-12.79	15q15
45	205382_s_at	DF	3.00	1.70E-13	7.96E-12	1.39	12.78	19p13.3
46	224356_x_at	MS4A6A	-14.81	4.05E-25	2.39E-22	-1.05	-12.75	11q12.1
47	209619_at	CD74	-4.16	1.25E-17	1.49E-15	-1.17	-12.74	5q32
48	201753_s_at	ADD3	-5.17	1.18E-24	5.87E-22	-1.04	-12.73	10q24.2-q24.3
49	226077_at	FLJ31951	-5.28	4.99E-25	2.85E-22	-1.03	-12.68	5q33.3
50	221059_s_at	CHST6	-4.46	4.86E-24	2.13E-21	-1.03	-12.64	16q22

Table 2

2. All-Pairs (AP)

2.1 AML_CBF versus AML_MLL

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	214651_s_at	HOXA9	-39.94	3.41E-16	1.52E-12	-2.37	-15.03	7p15-p14
2	235753_at		-14.90	1.42E-13	1.58E-10	-1.99	-12.16	
3	213147_at	HOXA10	-8.59	7.86E-14	1.00E-10	-1.64	-11.79	7p15-p14
4	206847_s_at	HOXA7	-7.43	2.51E-13	2.48E-10	-1.74	-11.67	7p15-p14
5	213737_x_at		-2.55	9.62E-17	8.57E-13	-1.34	-11.62	
6	203949_at	MPO	3.71	8.37E-16	2.79E-12	1.36	11.51	17q23.1
7	226517_at	BCAT1	9.76	2.84E-16	1.51E-12	1.38	11.48	12pter-q12
8	228058_at	LOC124220	5.61	2.19E-18	5.86E-14	1.26	11.44	16p13.3
9	209905_at	HOXA9	-127.68	2.13E-12	1.54E-09	-1.85	-10.98	7p15-p14
10	201830_s_at	NET1	4.03	1.39E-16	9.30E-13	1.25	10.97	10p15
11	221581_s_at	WBSCR5	-4.41	1.01E-13	1.23E-10	-1.38	-10.88	7q11.23
12	225831_at	LOC148894	3.38	8.67E-17	8.57E-13	1.19	10.74	1p36.11
13	202746_at	ITM2A	11.33	5.01E-15	9.55E-12	1.31	10.72	Xq13.3-Xq21.2
14	219271_at	GalNac-T10	7.41	1.27E-15	3.40E-12	1.23	10.62	2p23.1
15	227297_at		15.56	1.77E-14	2.78E-11	1.35	10.58	
16	235818_at		11.01	1.05E-14	1.74E-11	1.24	10.36	
17	213908_at		-15.79	9.00E-12	4.71E-09	-1.67	-10.34	
18	203948_s_at	MPO	4.07	4.49E-15	9.23E-12	1.16	10.23	17q23.1
19	202747_s_at	ITM2A	11.55	2.55E-14	3.79E-11	1.23	10.18	Xq13.3-Xq21.2
20	200953_s_at	CCND2	3.19	1.06E-15	3.14E-12	1.12	10.12	12p13
21	201015_s_at	JUP	6.14	7.37E-16	2.79E-12	1.11	10.08	17q21

22 206009_at	ITGA9	3.55	3.54E-15	7.88E-12	1.13	10.03	3p21.3
23 214452_at	BCAT1	3.68	2.20E-15	5.35E-12	1.12	10.03	12pter-q12
24 225285_at		8.06	9.72E-15	1.73E-11	1.13	9.94	
25 204082_at	PBX3	-5.96	1.40E-11	6.69E-09	-1.44	-9.92	9q33-q34
26 218899_s_at	BAALC	6.90	2.17E-13	2.23E-10	1.21	9.73	8q22.3
27 229215_at	ASCL2	-5.29	2.72E-12	1.82E-09	-1.22	-9.70	11p15.5
28 214390_s_at	BCAT1	8.90	1.39E-13	1.58E-10	1.16	9.69	12pter-q12
29 213150_at	HOXA10	-15.06	3.49E-11	1.43E-08	-1.39	-9.57	7p15-p14
30 239272_at	MMP28	7.09	5.89E-13	5.07E-10	1.16	9.44	17q11-q21.1
31 203733_at	MYLE	-2.93	1.48E-11	6.93E-09	-1.24	-9.43	16p13.2
32 225653_at		1.85	4.85E-14	6.82E-11	1.05	9.37	
33 218041_x_at	SLC38A2	1.67	4.48E-13	4.28E-10	1.06	9.22	12q
34 201828_x_at	CXX1	-2.45	1.29E-12	1.01E-09	-1.07	-9.15	Xq26
35 229817_at	KIAA1281	2.68	6.03E-14	8.05E-11	1.01	9.13	5q23.2
36 227853_at		-2.41	4.13E-12	2.63E-09	-1.08	-9.08	
37 223299_at	LOC90701	-2.56	7.56E-12	4.21E-09	-1.09	-9.03	18q21.31
38 201829_at	NET1	2.65	5.29E-13	4.85E-10	1.04	9.02	10p15
39 201564_s_at	FSCN1	4.07	1.86E-13	1.99E-10	0.99	8.91	7p22
40 220104_at	ZAP	2.72	5.45E-13	4.85E-10	0.99	8.80	7q34
41 200665_s_at	SPARC	9.43	5.67E-12	3.44E-09	1.06	8.75	5q31.3-q32
42 201105_at	LGALS1	-3.06	6.39E-12	3.71E-09	-1.02	-8.74	22q13.1
43 209543_s_at	CD34	6.99	3.62E-12	2.36E-09	1.02	8.68	1q32
44 216264_s_at	LAMB2	2.28	7.05E-13	5.89E-10	0.94	8.56	3p21
45 202719_s_at	TES	2.79	9.35E-13	7.57E-10	0.94	8.54	7q31.2
46 200951_s_at	CCND2	3.68	2.40E-12	1.65E-09	0.96	8.49	12p13
47 229744_at		2.16	2.19E-12	1.54E-09	0.95	8.46	
48 241756_at		2.95	1.76E-12	1.34E-09	0.93	8.42	
49 201153_s_at	MBNL1	-1.85	4.28E-11	1.73E-08	-1.00	-8.38	3q25
50 201152_s_at	MBNL1	-1.98	8.23E-11	2.62E-08	-1.01	-8.33	3q25

2.2 AML_CBF versus AML_inv(3)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1 203949_at		MPO	4.97	2.50E-21	6.79E-17	2.20	17.29	17q23.1
2 203948_s_at		MPO	5.93	9.48E-21	1.29E-16	1.77	14.42	17q23.1
3 205382_s_at		DF	5.98	3.26E-17	2.96E-13	1.43	11.63	19p13.3
4 210755_at		HGF	5.52	1.90E-15	1.29E-11	1.34	10.77	7q21.1
5 211709_s_at		SCGF	3.97	1.63E-13	8.83E-10	1.33	10.46	19q13.3
6 217963_s_at		NGFRAP1	-27.42	1.99E-08	9.03E-06	-2.04	-9.76	Xq22.1
7 210997_at		HGF	18.82	4.77E-13	1.85E-09	1.27	9.63	7q21.1
8 228058_at		LOC124220	2.35	3.23E-13	1.46E-09	1.11	9.13	16p13.3
9 228293_at		LOC91614	7.55	5.67E-13	1.93E-09	1.09	8.99	11p13
10 210115_at		RPL39L	8.39	4.95E-12	1.22E-08	1.19	8.98	3q27
11 203591_s_at		CSF3R	3.01	9.49E-13	2.87E-09	1.07	8.81	1p35-p34.3
12 209122_at		ADFP	3.10	3.22E-12	8.73E-09	1.04	8.58	9p21.3

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
13	202605_at	GUSB	2.23	3.39E-10	3.84E-07	1.13	8.55	7q21.11
14	205131_x_at	SCGF	5.91	1.27E-11	2.65E-08	1.03	8.36	19q13.3
15	235818_at		4.36	8.70E-12	1.97E-08	1.02	8.34	
16	231736_x_at	MGST1	3.05	6.85E-11	1.24E-07	1.03	8.23	12p12.3-p12.1
17	222955_s_at	HT011	1.98	1.81E-11	3.52E-08	0.99	8.13	Xq26.1
18	202185_at	PLOD3	1.73	2.32E-10	3.07E-07	1.03	8.10	7q22
19	224918_x_at	MGST1	2.87	3.97E-10	4.31E-07	1.04	8.09	12p12.3-p12.1
20	202887_s_at	RTP801	-3.54	1.24E-07	3.47E-05	-1.29	-7.92	10pter-q26.12
21	202487_s_at	H2AV	1.85	9.85E-10	8.10E-07	1.02	7.89	7p13
22	210150_s_at	LAMA5	2.99	8.18E-11	1.39E-07	0.94	7.74	20q13.2-q13.3
23	210783_x_at	SCGF	5.67	1.53E-10	2.32E-07	0.95	7.72	19q13.3
24	221218_s_at	TPK1	2.42	1.36E-10	2.18E-07	0.93	7.62	7q34-q35
25	206871_at	ELA2	3.63	2.75E-10	3.33E-07	0.93	7.61	19p13.3
26	212318_at	TRN-SR	2.02	1.66E-10	2.37E-07	0.92	7.56	7q32.2
27	226789_at		2.25	2.38E-10	3.07E-07	0.92	7.55	
28	209960_at	HGF	9.81	6.23E-10	6.51E-07	0.96	7.52	7q21.1
29	200078_s_at - HG-U133A	ATP6V0B	1.87	2.12E-09	1.60E-06	0.96	7.52	1p32.3
30	210998_s_at	HGF	10.77	7.53E-10	7.06E-07	0.97	7.50	7q21.1
31	200700_s_at	KDELR2	2.32	2.82E-10	3.33E-07	0.90	7.44	7p22.2
32	200078_s_at - HG-U133B	ATP6V0B	1.87	2.34E-09	1.68E-06	0.94	7.43	1p32.3
33	213908_at		-4.43	6.38E-07	1.09E-04	-1.32	-7.38	
34	206855_s_at	HYAL2	1.88	7.35E-10	7.06E-07	0.91	7.38	3p21.3
35	204548_at	STAR	5.65	9.51E-10	8.07E-07	0.90	7.28	8p11.2
36	233467_s_at	PHEMX	-2.16	4.63E-07	9.78E-05	-1.19	-7.27	11p15.5
37	205248_at	C21orf5	1.79	7.09E-10	7.06E-07	0.89	7.27	21q22.2
38	217975_at	LOC51186	-13.60	1.23E-06	1.76E-04	-1.49	-7.25	Xq22.1
39	230896_at		-19.80	1.28E-06	1.81E-04	-1.53	-7.25	
40	212895_s_at	ABR	-2.33	3.15E-07	7.43E-05	-1.13	-7.24	17p13.3
41	241525_at	LOC200772	24.74	2.62E-09	1.82E-06	0.97	7.23	2q37.3
42	202990_at	PYGL	2.69	8.62E-10	7.80E-07	0.88	7.22	14q21-q22
43	204193_at	CHKL	1.89	9.13E-10	8.00E-07	0.88	7.21	22q13.33
44	204198_s_at	RUNX3	-4.49	6.28E-07	1.09E-04	-1.20	-7.18	1p36
45	204647_at	HOMER3	3.73	1.17E-09	9.33E-07	0.88	7.18	19p13.11
46	208308_s_at	GPI	2.20	2.03E-09	1.58E-06	0.88	7.13	19q13.1
47	220668_s_at	DNMT3B	-3.79	1.17E-06	1.69E-04	-1.29	-7.10	20q11.2
48	201811_x_at	SH3BP5	-7.94	1.55E-06	2.06E-04	-1.42	-7.10	3p24.3
49	227212_s_at		1.91	5.67E-09	3.42E-06	0.89	7.08	
50	206478_at	KIAA0125	-10.45	1.81E-06	2.33E-04	-1.43	-7.03	14q32.33

2.3 AML_CBF versus AML_komplext

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	222229_x_at		1.45	1.33E-15	8.31E-12	1.33	11.26	

2	209619_at	CD74	2.23	7.59E-17	9.49E-13	1.15	10.50 5q32
3	206847_s_at	HOXA7	-3.87	9.61E-13	1.03E-09	-1.36	-10.35 7p15-p14
4	217846_at	QARS	1.63	3.83E-15	1.59E-11	1.16	10.24 3p21.3-p21.1
5	209523_at	TAF2	-2.87	3.40E-13	5.31E-10	-1.19	-9.89 8q24.12
6	205382_s_at	DF	3.91	5.71E-15	1.78E-11	1.08	9.77 19p13.3
7	213147_at	HOXA10	-3.95	5.75E-13	7.98E-10	-1.12	-9.53 7p15-p14
8	212463_at		-5.62	1.99E-11	8.01E-09	-1.30	-9.49
9	202406_s_at	TIAL1	-1.72	1.07E-12	1.03E-09	-1.13	-9.48 10q
10	200984_s_at	CD59	-3.98	1.88E-11	8.01E-09	-1.26	-9.41 11p13
11	202413_s_at	USP1	-1.90	2.92E-13	5.21E-10	-1.08	-9.37 1p32.1-p31.3
12	218040_at	FLJ10330	-2.18	4.02E-12	2.51E-09	-1.13	-9.29 1p13.2
13	200608_s_at	RAD21	-1.73	8.03E-14	1.67E-10	-1.03	-9.28 8q24
14	211423_s_at	SC5DL	-2.71	1.55E-12	1.29E-09	-1.10	-9.26 11q23.3
15	241706_at	LOC144402	-5.96	5.03E-11	1.66E-08	-1.27	-9.20 12q11
16	200985_s_at	CD59	-6.72	3.92E-11	1.33E-08	-1.24	-9.19 11p13
17	227056_at		2.52	6.44E-14	1.61E-10	1.00	9.12
18	212232_at	FNBP4	-1.82	1.28E-12	1.14E-09	-1.05	-9.10 11p11.12
19	217963_s_at	NGFRAP1	-22.83	1.93E-10	4.31E-08	-1.40	-8.98 Xq22.1
20	201807_at	VPS26	-1.96	1.74E-12	1.30E-09	-1.03	-8.96 10q21.1
21	201377_at	NICE-4	-1.96	1.09E-11	5.26E-09	-1.08	-8.93 1q21.3
22	224481_s_at	HECTD1	-1.71	2.19E-12	1.52E-09	-1.03	-8.92 14q12
23	209022_at	STAG2	-1.95	4.92E-12	2.93E-09	-1.04	-8.85 Xq25
24	201663_s_at	SMC4L1	-2.83	1.09E-10	2.99E-08	-1.18	-8.80 3q26.1
25	203079_s_at	CUL2	-2.21	5.34E-12	3.03E-09	-1.02	-8.78 10p11.21
26	222902_s_at	FLJ21144	-1.79	3.45E-12	2.27E-09	-1.01	-8.77 1p34.1
27	214651_s_at	HOXA9	-21.57	3.34E-10	6.15E-08	-1.35	-8.76 7p15-p14
28	203948_s_at	MPO	2.58	1.06E-12	1.03E-09	0.97	8.70 17q23.1
29	204198_s_at	RUNX3	-5.72	1.79E-10	4.31E-08	-1.18	-8.68 1p36
30	203949_at	MPO	2.08	7.92E-12	4.12E-09	1.00	8.63 17q23.1
31	235753_at		-6.60	4.98E-10	8.52E-08	-1.34	-8.63
32	206003_at	KIAA0635	-2.18	8.29E-12	4.15E-09	-1.00	-8.63 4q12
33	201920_at	SLC20A1	-2.22	2.33E-11	9.10E-09	-1.01	-8.51 2q11-q14
34	210982_s_at	HLA-DRA	2.58	8.99E-13	1.03E-09	0.92	8.45 6p21.3
35	218577_at	FLJ20331	-2.06	1.97E-11	8.01E-09	-0.98	-8.42 1p31.1
36	201352_at	YME1L1	-1.73	1.42E-11	6.56E-09	-0.97	-8.39 10p14
37	203519_s_at	UPF2	-2.04	3.69E-11	1.28E-08	-0.98	-8.35 10p14-p13
38	207332_s_at	TFRC	-2.51	1.91E-10	4.31E-08	-1.06	-8.34 3q26.2-qter
39	208894_at	HLA-DRA	2.78	1.77E-12	1.30E-09	0.91	8.33 6p21.3
40	203965_at	USP20	-1.95	2.72E-11	1.00E-08	-0.95	-8.24 9q34.13
41	212058_at	SR140	-1.75	5.66E-11	1.81E-08	-0.96	-8.20 3q23
42	235521_at	HOXA3	-6.52	1.37E-09	1.73E-07	-1.20	-8.18 7p15-p14
43	208886_at	H1F0	-4.09	5.36E-10	8.79E-08	-1.06	-8.15 22q13.1
44	212491_s_at	DNAJC8	-1.59	7.26E-11	2.21E-08	-0.95	-8.10 1p35.2
45	223575_at	KIAA1549	2.50	6.81E-12	3.70E-09	0.89	8.09 7q34
46	201498_at	USP7	-2.04	1.90E-10	4.31E-08	-0.97	-8.06 16p13.3
47	218331_s_at	FLJ20360	-1.99	1.31E-10	3.41E-08	-0.95	-8.02 10p15.1

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
48	203092_at	TIMM44	-3.39	5.46E-10	8.79E-08	-1.00	-7.99	19p13.3-p13.2
49	200620_at	C1orf8	-1.51	1.60E-10	4.00E-08	-0.95	-7.98	1p36-p31
50	218754_at	FLJ23323	-1.74	3.04E-10	5.66E-08	-0.97	-7.96	1p36.23

2.4 AML_CBF versus AML_t(15;17)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	211990_at	HLA-DPA1	12.12	1.17E-32	3.01E-28	2.88	23.66	6p21.3
2	209732_at	CLECSF2	31.14	1.05E-28	1.35E-24	3.06	23.26	12p13-p12
3	214450_at	CTSW	-12.43	2.71E-13	9.29E-11	-2.99	-16.77	11q13.1
4	38487_at	STAB1	-11.88	9.92E-13	2.65E-10	-2.95	-15.94	3p21.31
5	217478_s_at	HLA-DMA	6.54	6.42E-24	5.49E-20	1.91	15.86	6p21.3
6	201923_at	PRDX4	7.01	6.69E-23	4.30E-19	1.83	15.19	Xp22.13
7	226878_at		4.73	2.79E-22	1.19E-18	1.82	14.96	
8	209312_x_at	HLA-DRB1	7.81	9.84E-23	5.05E-19	1.78	14.82	6p21.3
9	209619_at	CD74	5.09	3.15E-21	1.01E-17	1.78	14.62	5q32
10	201137_s_at	HLA-DPB1	13.79	1.00E-19	2.14E-16	1.85	14.34	6p21.3
11	211991_s_at	HLA-DPA1	21.30	1.24E-19	2.45E-16	1.85	14.30	6p21.3
12	208306_x_at	HLA-DRB4	8.24	1.17E-21	4.31E-18	1.72	14.28	6p21.3
13	211474_s_at	SERPINB6	5.43	1.65E-20	4.71E-17	1.71	13.95	6p25
14	221004_s_at	ITM2C	-4.01	5.11E-13	1.58E-10	-2.10	-13.90	2q37
15	203535_at	S100A9	8.36	3.42E-20	7.98E-17	1.58	13.19	1q21
16	204670_x_at	HLA-DRB5	6.20	2.55E-20	6.54E-17	1.57	13.17	6p21.3
17	212953_x_at	CALR	-2.63	3.62E-13	1.15E-10	-1.88	-13.10	19p13.3-p13.2
18	201719_s_at	EPB41L2	13.15	1.21E-17	1.63E-14	1.63	12.69	6q23
19	227353_at	EVER2	3.71	2.62E-19	4.81E-16	1.51	12.64	17q25.3
20	204661_at	CDW52	25.58	2.79E-17	3.41E-14	1.63	12.54	1p36
21	208689_s_at	RPN2.	-1.78	3.04E-14	1.52E-11	-1.64	-12.34	20q12-q13.1
22	228113_at	STAT3	4.04	5.73E-19	9.80E-16	1.47	12.31	17q21
23	215193_x_at	HLA-DRB1	7.74	7.80E-19	1.25E-15	1.47	12.27	6p21.3
24	205663_at	PCBP3	-4.65	3.38E-11	5.70E-09	-1.99	-12.20	21q22.3
25	205771_s_at	AKAP7	7.09	5.93E-18	8.45E-15	1.48	12.14	6q23
26	238022_at		-5.45	3.57E-12	7.83E-10	-1.75	-12.03	
27	210982_s_at	HLA-DRA	6.63	4.86E-18	7.33E-15	1.43	11.89	6p21.3
28	34210_at	CDW52	32.32	2.83E-16	2.50E-13	1.56	11.88	1p36
29	224839_s_at	GPT2	-9.22	1.05E-10	1.48E-08	-2.02	-11.85	16q12.1
30	200654_at	P4HB	-1.95	1.16E-14	6.63E-12	-1.49	-11.66	17q25
31	241742_at	PRAM-1	9.22	6.13E-16	5.07E-13	1.48	11.49	19p13.2
32	204362_at	SCAP2	10.45	1.78E-16	1.83E-13	1.41	11.43	7p21-p15
33	208891_at	DUSP6	6.45	2.17E-17	2.79E-14	1.36	11.38	12q22-q23
34	241239_at		6.33	2.46E-16	2.34E-13	1.40	11.35	
35	204150_at	STAB1	-13.65	6.04E-10	6.74E-08	-2.22	-11.28	3p21.31
36	236554_x_at	EVER2	3.47	3.18E-17	3.71E-14	1.35	11.28	17q25.3
37	204440_at	CD83	5.53	4.71E-17	5.26E-14	1.35	11.24	6p23
38	208894_at	HLA-DRA	6.44	5.21E-17	5.58E-14	1.34	11.17	6p21.3

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
39	204425_at	ARHGAP4	18.14	2.90E-15	2.13E-12	1.47	11.16	Xq28
40	217716_s_at	SEC61A1	-1.99	1.21E-11	2.34E-09	-1.59	-11.11	3q21.3
41	201522_x_at	SNRPN	3.51	7.84E-13	2.16E-10	1.48	11.10	15q12
42	208613_s_at	FLNB	8.30	3.23E-15	2.30E-12	1.39	10.92	3p14.3
43	200931_s_at	VCL	3.50	2.27E-16	2.24E-13	1.30	10.86	10q22.1-q23
44	221865_at	DKFZp547P234	3.33	2.66E-16	2.44E-13	1.30	10.82	9q33.1
45	226733_at	PFKFB2	5.78	1.39E-15	1.12E-12	1.28	10.58	1q31
46	201034_at	ADD3	4.15	5.43E-16	4.65E-13	1.26	10.57	10q24.2-q24.3
47	225639_at	SCAP2	9.79	2.74E-15	2.07E-12	1.29	10.54	7p21-p15
48	208892_s_at	DUSP6	6.48	1.67E-15	1.30E-12	1.26	10.47	12q22-q23
49	202917_s_at	S100A8	3.17	9.40E-14	3.66E-11	1.31	10.46	1q21
50	238365_s_at		-5.11	1.53E-10	2.03E-08	-1.53	-10.33	

2.5   AML_MLL versus AML_inv(3)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	204082_at	PBX3	8.60	2.88E-12	2.35E-08	1.63	10.50	9q33-q34
2	226789_at		3.28	1.48E-13	1.81E-09	1.47	10.39	
3	214651_s_at	HOXA9	4.67	9.43E-14	1.81E-09	1.45	10.29	7p15-p14
4	235753_at		4.92	3.97E-12	2.43E-08	1.42	9.76	
5	228083_at	CACNA2D4	11.16	1.43E-11	5.83E-08	1.46	9.66	12p13.33
6	214643_x_at	BIN1	-4.56	2.50E-09	1.64E-06	-1.59	-9.58	2q14
7	209905_at	HOXA9	7.79	3.17E-11	1.11E-07	1.34	9.13	7p15-p14
8	202054_s_at	ALDH3A2	5.02	6.40E-12	3.14E-08	1.27	9.05	17p11.2
9	208116_s_at	MAN1A1	-4.86	2.19E-08	6.38E-06	-1.59	-8.95	6q22
10	236398_s_at		5.77	7.08E-11	1.58E-07	1.31	8.88	
11	201829_at	NET1	-3.59	3.90E-08	9.18E-06	-1.61	-8.81	10p15
12	203733_at	MYLE	2.69	6.75E-11	1.58E-07	1.23	8.59	16p13.2
13	212318_at	TRN-SR	2.53	8.52E-11	1.67E-07	1.23	8.55	7q32.2
14	233955_x_at	HSPC195	-4.61	1.78E-08	5.60E-06	-1.41	-8.54	5q31.3
15	213893_x_at	PMS2L5	2.24	3.81E-11	1.17E-07	1.19	8.49	7q11-q22
16	208702_x_at	APLP2	2.83	4.39E-11	1.19E-07	1.19	8.45	11q24
17	231431_s_at		-2.62	7.32E-08	1.39E-05	-1.54	-8.45	
18	202605_at	GUSB	3.28	9.55E-11	1.67E-07	1.20	8.44	7q21.11
19	210006_at	DKFZP564O243	2.17	1.66E-10	2.71E-07	1.21	8.40	3p21.1
20	210201_x_at	BIN1	-2.98	1.82E-08	5.64E-06	-1.35	-8.34	2q14
21	214439_x_at	BIN1	-3.31	1.27E-08	4.55E-06	-1.31	-8.27	2q14
22	212782_x_at	POLR2J	2.38	3.41E-10	4.29E-07	1.18	8.24	7q11.2
23	200602_at	APP	-10.57	8.51E-08	1.58E-05	-1.47	-8.24	21q21.3
24	214875_x_at	APLP2	2.72	9.39E-11	1.67E-07	1.15	8.23	11q24
25	219551_at	TRAITS	3.35	3.68E-10	4.29E-07	1.19	8.19	3q13.33
26	206847_s_at	HOXA7	2.98	2.37E-10	3.23E-07	1.16	8.15	7p15-p14
27	218217_at	RISC	4.10	1.13E-09	9.89E-07	1.23	8.14	17q23.1
28	223703_at	CDA017	3.49	1.23E-09	1.00E-06	1.22	8.09	10q23.1
29	201186_at	LRPAP1	3.21	7.48E-10	7.89E-07	1.18	8.07	4p16.3

30 201105_at	LGALS1	2.91	1.88E-10	2.88E-07	1.12	8.00	22q13.1
31 203725_at	GADD45A	-3.08	1.71E-09	1.27E-06	-1.16	-7.99	1p31.2-p31.1
32 214430_at	GLA	2.03	2.27E-10	3.23E-07	1.12	7.97	Xq22
33 206440_at	LIN7A	8.55	1.13E-09	9.89E-07	1.17	7.97	12q21
34 211709_s_at	SCGF	4.44	4.41E-10	4.91E-07	1.11	7.86	19q13.3
35 219033_at	FLJ21308	3.62	1.20E-09	1.00E-06	1.14	7.85	5q11.1
36 219126_at	XAP135	1.85	3.53E-10	4.29E-07	1.10	7.84	6q27
37 208967_s_at	AK2	3.68	3.22E-09	1.84E-06	1.20	7.83	1p34
38 212174_at	AK2	3.63	1.63E-09	1.24E-06	1.15	7.83	1p34
39 202053_s_at	ALDH3A2	2.61	9.28E-10	8.75E-07	1.11	7.78	17p11.2
40 202961_s_at	ATP5J2	2.16	8.60E-10	8.43E-07	1.10	7.77	7q22.1
41 201830_s_at	NET1	-5.62	3.42E-07	3.90E-05	-1.47	-7.75	10p15
42 231300_at	LOC90835	4.14	2.74E-09	1.68E-06	1.15	7.74	16p11.2
43 204951_at	ARHH	-3.59	3.51E-08	8.51E-06	-1.21	-7.71	4p13
44 211404_s_at	APLP2	2.23	1.44E-09	1.14E-06	1.09	7.65	11q24
45 219991_at	SLC2A9	2.29	2.55E-09	1.64E-06	1.12	7.64	4p16-p15.3
46 223328_at	MGC3195	2.12	7.73E-10	7.89E-07	1.07	7.61	7q22.1
47 213908_at		3.56	4.03E-09	2.10E-06	1.12	7.58	
48 228652_at	FLJ38288	-2.21	6.80E-08	1.32E-05	-1.21	-7.58	19q13.43
49 214953_s_at	APP	-5.50	1.23E-07	1.99E-05	-1.23	-7.52	21q21.3
50 202931_x_at	BIN1	-3.09	1.11E-07	1.89E-05	-1.21	-7.50	2q14

2.6   AML_MLL versus AML_komplext

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1 201377_at	NICE-4	-2.72	3.69E-15	2.46E-11	-1.51	-11.56	1q21.3
2 201105_at	LGALS1	4.52	6.07E-14	2.57E-10	1.36	10.55	22q13.1
3 200608_s_at	RAD21	-1.86	3.88E-15	2.46E-11	-1.28	-10.40	8q24
4 228083_at	CACNA2D4	11.81	1.68E-11	9.93E-09	1.53	9.94	12p13.33
5 201830_s_at	NET1	-5.21	6.70E-12	6.55E-09	-1.37	-9.77	10p15
6 201225_s_at	SRRM1	-1.72	1.39E-13	4.42E-10	-1.18	-9.52	1p36.11
7 208886_at	H1F0	-7.16	2.03E-11	9.93E-09	-1.32	-9.40	22q13.1
8 214700_x_at	DKFZP434D193	-3.12	1.37E-11	9.65E-09	-1.27	-9.33	2q23.3
9 209022_at	STAG2	-1.98	3.31E-12	5.25E-09	-1.17	-9.17	Xq25
10 218041_x_at	SLC38A2	-1.84	3.42E-13	8.70E-10	-1.12	-9.13	12q
11 203544_s_at	STAM	-4.39	3.49E-11	1.48E-08	-1.26	-9.11	10p14-p13
12 218823_s_at	FLJ20038	-2.77	3.12E-11	1.41E-08	-1.25	-9.09	8p21.1
13 201196_s_at	AMD1	-1.93	1.72E-12	3.49E-09	-1.14	-9.09	6q21-q22
14 201560_at	CLIC4	-4.16	4.61E-12	5.33E-09	-1.16	-9.07	1p36.11
15 202746_at	ITM2A	-10.44	1.47E-10	3.83E-08	-1.28	-8.85	Xq13.3-Xq21.2
16 209705_at		-2.03	1.78E-11	9.93E-09	-1.14	-8.80	
17 205788_s_at	KIAA0663	-1.79	1.87E-11	9.93E-09	-1.14	-8.78	1q32.1
18 203519_s_at	UPF2	-2.09	1.91E-11	9.93E-09	-1.13	-8.75	10p14-p13
19 222902_s_at	FLJ21144	-1.92	1.92E-12	3.49E-09	-1.08	-8.75	1p34.1
20 233168_s_at	IMAGE3510317	-1.73	4.52E-12	5.33E-09	-1.09	-8.75	22q13.33

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
21	209362_at	SURB7	-2.15	1.91E-11	9.93E-09	-1.11	-8.67	12p11.23
22	204082_at	PBX3	4.49	5.32E-11	2.05E-08	1.14	8.66	9q33-q34
23	201585_s_at	SFPQ	-1.91	9.60E-12	8.21E-09	-1.09	-8.65	1p34.3
24	200997_at	RBM4	-1.92	1.18E-11	8.79E-09	-1.09	-8.64	11q13
25	201829_at	NET1	-3.30	1.95E-10	4.21E-08	-1.21	-8.62	10p15
26	239071_at		-1.83	3.72E-12	5.25E-09	-1.04	-8.51	
27	203725_at	GADD45A	-4.33	6.08E-11	2.21E-08	-1.11	-8.51	1p31.2-p31.1
28	211137_s_at	ATP2C1	-3.12	4.82E-10	7.28E-08	-1.26	-8.50	3q21-q24
29	202747_s_at	ITM2A	-10.27	3.18E-10	5.61E-08	-1.20	-8.49	Xq13.3-Xq21.2
30	201166_s_at	PUM1	-1.86	3.89E-11	1.60E-08	-1.09	-8.49	1p35.2
31	212232_at	FNBP4	-1.77	1.15E-11	8.79E-09	-1.05	-8.43	11p11.12
32	200086_s_at - HG-U133B	COX4I1	1.64	5.17E-12	5.47E-09	1.03	8.43	16q22-qter
33	223318_s_at	MGC10974	3.61	2.44E-10	4.77E-08	1.14	8.38	19p13.3
34	212463_at		-4.10	1.52E-10	3.83E-08	-1.11	-8.35	
35	213549_at	PRO2730	-4.66	6.44E-10	8.52E-08	-1.21	-8.33	3p21.31
36	201358_s_at	COPB	-1.65	1.96E-11	9.93E-09	-1.04	-8.33	11p15.2
37	212031_at	S164	-2.00	1.55E-11	9.93E-09	-1.03	-8.32	14q24.3
38	228974_at		-4.54	1.70E-10	4.01E-08	-1.10	-8.31	
39	205849_s_at	UQCRB	1.52	9.70E-12	8.21E-09	1.02	8.31	8q22
40	201061_s_at	STOM	-3.25	2.69E-10	5.17E-08	-1.12	-8.31	9q34.1
41	205639_at	AOAH	3.94	2.96E-10	5.43E-08	1.12	8.29	7p14-p12
42	218331_s_at	FLJ20360	-2.05	6.54E-11	2.31E-08	-1.06	-8.28	10p15.1
43	223592_s_at	MGC13061	2.62	2.99E-10	5.43E-08	1.12	8.28	17q11.2
44	217887_s_at	EPS15	-2.10	5.29E-11	2.05E-08	-1.05	-8.26	1p32
45	200985_s_at	CD59	-4.95	1.95E-10	4.21E-08	-1.09	-8.25	11p13
46	214439_x_at	BIN1	-3.72	2.41E-10	4.77E-08	-1.09	-8.21	2q14
47	200071_at - HG-U133A	SPF30	-1.89	7.53E-11	2.52E-08	-1.04	-8.19	10q23
48	202413_s_at	USP1	-1.73	3.43E-11	1.48E-08	-1.01	-8.16	1p32.1-p31.3
49	218846_at	CRSP3	-2.57	3.67E-10	6.13E-08	-1.09	-8.15	6q22.33-q24.1
50	202659_at	PSMB10	3.04	1.05E-10	3.27E-08	1.04	8.15	16q22.1

2.7 AML_MLL versus AML_t(15;17)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	221004_s_at	ITM2C	-9.69	6.96E-15	2.78E-11	-2.63	-16.45	2q37
2	38487_at	STAB1	-16.22	3.38E-13	4.51E-10	-2.90	-16.13	3p21.31
3	203948_s_at	MPO	-6.32	8.76E-21	2.10E-16	-2.19	-15.83	17q23.1
4	214651_s_at	HOXA9	237.17	2.30E-16	1.84E-12	2.66	15.41	7p15-p14
5	205624_at	CPA3	-36.02	6.17E-12	3.79E-09	-3.01	-14.75	3q21-q25
6	212953_x_at	CALR	-3.21	2.50E-14	6.66E-11	-2.22	-14.41	19p13.3-p13.2
7	214450_at	CTSW	-6.11	7.04E-14	1.41E-10	-2.21	-14.15	11q13.1
8	203949_at	MPO	-4.43	9.42E-19	1.13E-14	-1.91	-13.87	17q23.1

9	200953_s_at	CCND2	-6.10	3.06E-12	2.45E-09	-2.26	-13.42 12p13
10	213147_at	HOXA10	23.93	1.62E-14	4.85E-11	2.12	13.06 7p15-p14
11	238022_at		-5.73	4.14E-12	3.00E-09	-1.96	-12.30
12	235753_at		16.83	1.12E-13	1.79E-10	2.04	12.26
13	233072_at	KIAA1857	-11.75	7.57E-11	2.44E-08	-2.24	-12.25 9q34
14	205771_s_at	AKAP7	10.25	3.35E-14	8.02E-11	1.82	12.10 6q23
15	206871_at	ELA2	-3.69	4.90E-16	2.94E-12	-1.64	-11.89 19p13.3
16	206847_s_at	HOXA7	9.48	6.90E-14	1.41E-10	1.80	11.89 7p15-p14
17	209448_at	HTATIP2	10.38	2.48E-13	3.64E-10	1.79	11.54 11p15.1
18	204150_at	STAB1	-19.25	3.63E-10	8.30E-08	-2.23	-11.50 3p21.31
19	213587_s_at	LOC155066	7.64	6.58E-13	7.88E-10	1.79	11.29 7q36.1
20	205663_at	PCBP3	-3.93	3.63E-11	1.36E-08	-1.79	-11.19 21q22.3
21	201522_x_at	SNRPN	4.63	2.51E-15	1.20E-11	1.54	11.19 15q12
22	212509_s_at		-6.33	1.53E-10	4.37E-08	-1.87	-11.08
23	209905_at	HOXA9	720.22	1.83E-12	1.75E-09	1.92	11.06 7p15-p14
24	205349_at	GNA15	-4.14	1.47E-12	1.53E-09	-1.62	-11.03 19p13.3
25	200951_s_at	CCND2	-6.76	2.21E-10	5.88E-08	-1.88	-10.98 12p13
26	206761_at	TACTILE	-28.74	1.21E-09	2.02E-07	-2.29	-10.90 3q13.13
27	201029_s_at	CD99	-2.16	1.08E-14	3.69E-11	-1.48	-10.74 Xp22.32
28	217848_s_at	PP	3.89	1.09E-13	1.79E-10	1.49	10.59 10q11.1-q24
29	225532_at	LOC91768	-5.64	9.02E-10	1.64E-07	-1.92	-10.59 18q11.1
30	200952_s_at	CCND2	-4.07	2.77E-10	6.83E-08	-1.76	-10.57 12p13
31	204425_at	ARHGAP4	15.58	4.11E-12	3.00E-09	1.65	10.49 Xq28
32	204082_at	PBX3	8.50	2.90E-12	2.40E-09	1.61	10.47 9q33-q34
33	231736_x_at	MGST1	-2.80	2.58E-13	3.64E-10	-1.46	-10.42 12p12.3-p12.1
34	210788_s_at	retSDR4	-2.38	2.11E-11	9.75E-09	-1.57	-10.41 14q22.3
35	224918_x_at	MGST1	-2.62	9.12E-14	1.68E-10	-1.42	-10.30 12p12.3-p12.1
36	201596_x_at	KRT18	-8.14	5.16E-10	1.08E-07	-1.69	-10.20 12q13
37	213150_at	HOXA10	45.69	1.41E-11	7.20E-09	1.71	10.17 7p15-p14
38	218404_at	SNX10	6.77	5.71E-12	3.60E-09	1.53	10.09 7p15.2
39	225386_s_at	LOC92906	34.47	1.65E-11	8.20E-09	1.66	10.08 2p22.2
40	211474_s_at	SERPINB6	4.55	2.77E-12	2.40E-09	1.47	10.04 6p25
41	221253_s_at	MGC3178	-2.99	2.44E-10	6.44E-08	-1.59	-10.03 6p24.3
42	228083_at	CACNA2D4	11.77	1.68E-11	8.20E-09	1.57	9.93 12p13.33
43	213571_s_at	EIF4EL3	2.54	6.08E-13	7.67E-10	1.37	9.84 2q37.1
44	208852_s_at	CANX	-2.26	6.45E-11	2.18E-08	-1.46	-9.78 5q35
45	227999_at	LOC170394	3.11	7.06E-13	8.06E-10	1.36	9.76 10q26.3
46	217716_s_at	SEC61A1	-1.93	1.04E-11	5.68E-09	-1.40	-9.72 3q21.3
47	202265_at	BMI1	4.29	8.23E-12	4.70E-09	1.43	9.71 10p11.23
48	217853_at	TEM6	6.43	1.19E-11	6.31E-09	1.43	9.66 7p15.1
49	223663_at	FLJ37970	6.99	2.35E-12	2.17E-09	1.37	9.66 11q12.3
50	228263_at	GRASP	-2.66	3.59E-12	2.77E-09	-1.36	-9.63 12q13.13

2.8 AML_inv(3) versus AML_komplext

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	222229_x_at		1.59	1.43E-12	2.58E-08	1.49	10.36	
2	206781_at	DNAJC4	2.26	7.27E-11	4.54E-07	1.37	9.35	11q13
3	208730_x_at	RAB2	2.22	1.23E-09	1.71E-06	1.38	9.00	8q12.1
4	200093_s_at - HG-U133B	HINT1	1.88	6.67E-10	1.71E-06	1.21	8.35	5q31.2
5	213682_at	NUP50	-1.96	7.52E-11	4.54E-07	-1.14	-8.23	22q13.31
6	227708_at	EEF1A1	2.34	1.67E-08	8.16E-06	1.30	8.20	6q14.1
7	208826_x_at	HINT1	1.52	5.20E-10	1.64E-06	1.14	8.05	5q31.2
8	201202_at	PCNA	-2.84	2.31E-10	1.05E-06	-1.10	-7.93	20pter-p12
9	209122_at	ADFP	-4.15	1.08E-09	1.71E-06	-1.12	-7.82	9p21.3
10	200700_s_at	KDELR2	-2.80	1.13E-09	1.71E-06	-1.09	-7.67	7p22.2
11	201377_at	NICE-4	-1.90	5.46E-10	1.64E-06	-1.06	-7.67	1q21.3
12	203538_at	CAMLG	2.07	4.91E-08	1.51E-05	1.20	7.65	5q23
13	205436_s_at	H2AFX	-3.79	2.79E-09	2.71E-06	-1.12	-7.64	11q23.2-q23.3
14	218883_s_at	FLJ23468	-2.56	8.92E-10	1.71E-06	-1.07	-7.63	4q35.1
15	200094_s_at - HG-U133A	EEF2	1.41	4.93E-09	3.72E-06	1.09	7.56	19pter-q12
16	201663_s_at	SMC4L1	-2.49	1.36E-09	1.76E-06	-1.06	-7.55	3q26.1
17	201386_s_at	DDX15	-1.79	9.01E-10	1.71E-06	-1.05	-7.53	4p15.3
18	222047_s_at	ARS2	-1.55	1.08E-09	1.71E-06	-1.04	-7.50	7q21
19	212491_s_at	DNAJC8	-1.75	2.35E-09	2.61E-06	-1.05	-7.47	1p35.2
20	206550_s_at	NUP155	-2.08	2.18E-09	2.61E-06	-1.04	-7.40	5p13.1
21	203421_at	PIG11	-6.24	1.66E-08	8.16E-06	-1.14	-7.30	11p11.2
22	212031_at	S164	-1.92	2.84E-09	2.71E-06	-1.02	-7.28	14q24.3
23	213008_at	FLJ10719	-2.96	2.45E-09	2.61E-06	-1.01	-7.25	15q25-q26
24	202580_x_at	FOXM1	-3.95	7.57E-09	4.72E-06	-1.05	-7.25	12p13
25	218115_at	ASF1B	-2.62	4.20E-09	3.55E-06	-1.02	-7.24	19p13.12
26	213088_s_at	DNAJC9	-2.44	7.48E-09	4.72E-06	-1.03	-7.18	10q22.2
27	213292_s_at	SNX13	-2.17	6.26E-09	4.35E-06	-1.01	-7.16	7p21.1
28	204695_at	CDC25A	-4.38	1.11E-08	6.26E-06	-1.03	-7.14	3p21
29	218585_s_at	RAMP	-3.20	1.41E-08	7.48E-06	-1.04	-7.12	
30	208715_at	LOC54499	-2.21	4.16E-09	3.55E-06	-0.99	-7.11	1q22-q25
31	201457_x_at	BUB3	-1.73	4.55E-09	3.57E-06	-0.99	-7.10	10q26
32	222680_s_at	RAMP	-2.06	4.32E-09	3.55E-06	-0.98	-7.10	
33	211950_at	RBAF600	-2.14	6.18E-09	4.35E-06	-0.99	-7.08	1p36.13
34	223157_at	MGC3232	2.00	4.48E-07	5.23E-05	1.18	7.07	4q12
35	215123_at		-3.06	7.02E-09	4.70E-06	-0.97	-6.98	
36	227165_at	C13orf3	-2.41	1.84E-08	8.51E-06	-1.01	-6.98	13q11
37	218350_s_at	GMNN	-2.41	1.04E-08	6.07E-06	-0.97	-6.93	6p22.1
38	202954_at	UBE2C	-3.17	3.02E-08	1.21E-05	-1.02	-6.91	20q13.11
39	232247_at	FLJ14855	-2.01	8.55E-09	5.15E-06	-0.96	-6.91	3p21.31
40	214141_x_at	SFRS7	-1.77	1.72E-08	8.17E-06	-0.98	-6.90	2p22.1
41	201680_x_at	ARS2	-1.59	1.17E-08	6.43E-06	-0.95	-6.82	7q21
42	202413_s_at	USP1	-1.82	3.54E-08	1.31E-05	-0.97	-6.82	1p32.1-p31.3
43	209619_at	CD74	2.00	1.60E-07	2.89E-05	1.03	6.82	5q32
44	200094_s_at - HG-U133B	EEF2	1.39	4.08E-08	1.44E-05	0.98	6.81	19pter-q12

45 226123_at	LOC286180	-3.56	2.20E-08	9.47E-06	-0.96	-6.80	8q12.1
46 204709_s_at	KIF23	-4.17	6.32E-08	1.77E-05	-1.03	-6.80	15q22.31
47 210140_at	CST7	-4.76	5.60E-08	1.66E-05	-1.01	-6.78	20p11.21
48 210178_x_at	FUSIP1	-1.97	1.54E-08	7.94E-06	-0.94	-6.77	1p36.11
49 227056_at		3.40	1.85E-06	1.23E-04	1.20	6.72	
50 204023_at	RFC4	-2.23	1.88E-08	8.51E-06	-0.93	-6.70	3q27

2.9 AML_inv(3) versus AML_t(15;17)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1 203948_s_at		MPO	-9.22	7.85E-20	8.48E-16	-3.33	-20.18	17q23.1
2 203949_at		MPO	-5.92	7.32E-21	1.58E-16	-3.19	-19.69	17q23.1
3 205382_s_at		DF	-12.00	3.95E-15	1.07E-11	-3.44	-18.83	19p13.3
4 212953_x_at		CALR	-4.97	5.32E-16	2.30E-12	-2.76	-16.36	19p13.3-p13.2
5 200654_at		P4HB	-3.54	5.30E-18	3.81E-14	-2.62	-16.13	17q25
6 224918_x_at		MGST1	-5.40	5.25E-17	2.83E-13	-2.49	-15.29	12p12.3-p12.1
7 231736_x_at		MGST1	-6.11	7.03E-16	2.53E-12	-2.51	-15.14	12p12.3-p12.1
8 214450_at		CTSW	-6.80	4.70E-14	1.02E-10	-2.44	-14.29	11q13.1
9 205624_at		CPA3	-18.38	6.13E-12	5.51E-09	-2.76	-14.18	3q21-q25
10 206871_at		ELA2	-5.26	1.18E-15	3.64E-12	-2.20	-13.53	19p13.3
11 211990_at		HLA-DPA1	12.46	4.97E-11	2.98E-08	2.67	13.52	6p21.3
12 38487_at		STAB1	-5.47	4.81E-13	6.92E-10	-2.24	-13.06	3p21.31
13 217716_s_at		SEC61A1	-2.52	1.00E-13	1.65E-10	-2.15	-12.88	3q21.3
14 214575_s_at		AZU1	-8.67	1.00E-13	1.65E-10	-2.12	-12.73	19p13.3
15 238022_at			-7.63	7.53E-13	9.07E-10	-2.12	-12.49	
16 208852_s_at		CANX	-3.04	3.58E-12	3.68E-09	-2.18	-12.48	5q35
17 221739_at		IL27w	-2.20	1.28E-14	3.06E-11	-2.02	-12.47	19p13.3
18 208689_s_at		RPN2	-2.59	1.07E-13	1.65E-10	-2.02	-12.26	20q12-q13.1
19 221004_s_at		ITM2C	-4.37	5.63E-14	1.11E-10	-1.99	-12.16	2q37
20 233072_at		KIAA1857	-9.87	1.26E-10	6.35E-08	-2.39	-12.10	9q34
21 210788_s_at		retSDR4	-2.78	4.14E-12	4.06E-09	-2.00	-11.71	14q22.3
22 206914_at		CRTAM	6.73	2.22E-11	1.60E-08	2.03	11.62	11q22-q23
23 211709_s_at		SCGF	-5.57	6.43E-13	8.68E-10	-1.91	-11.55	19q13.3
24 213716_s_at		SECTM1	10.56	1.74E-09	5.54E-07	2.25	11.11	17q25
25 227353_at		EVER2	5.13	2.92E-10	1.24E-07	2.00	11.00	17q25.3
26 209021_x_at		KIAA0652	-5.31	1.35E-11	1.12E-08	-1.84	-10.90	11p11.12
27 214797_s_at		PCTK3	5.81	2.43E-10	1.05E-07	1.95	10.87	1q31-q32
28 208730_x_at		RAB2	2.63	4.23E-10	1.72E-07	1.98	10.86	8q12.1
29 202487_s_at		H2AV	-2.35	7.56E-13	9.07E-10	-1.76	-10.82	7p13
30 203675_at		NUCB2	-3.45	1.59E-11	1.27E-08	-1.83	-10.81	11p15.1-p14
31 217225_x_at		LOC283820	-2.26	2.10E-12	2.26E-09	-1.77	-10.77	16p13.13
32 200652_at		SSR2	-1.99	1.05E-12	1.19E-09	-1.73	-10.68	1q21-q23
33 209215_at		TETRAN	-3.46	4.99E-12	4.68E-09	-1.75	-10.63	4p16.3
34 229168_at		DKFZp434K0621	-4.90	5.86E-10	2.30E-07	-1.95	-10.53	5q35.3

# affy id	HUGO name	fc	p	q	stn	t	Map Location
35 209619_at	CD74	4.55	1.98E-11	1.47E-08	1.72		10.36 5q32
36 221253_s_at	MGC3178	-3.26	1.04E-10	5.78E-08	-1.78		-10.33 6p24.3
37 210140_at	CST7	-8.32	1.51E-09	5.06E-07	-1.98		-10.31 20p11.21
38 224839_s_at	GPT2	-6.24	6.83E-11	3.88E-08	-1.74		-10.23 16q12.1
39 217770_at	PIGT	-2.32	1.69E-11	1.30E-08	-1.68		-10.17 20q12-q13.12
40 205614_x_at	MST1	-9.35	3.11E-09	8.56E-07	-2.03		-10.12 3p21
41 209732_at	CLECSF2	29.15	1.41E-08	2.74E-06	2.22		10.02 12p13-p12
42 201004_at	SSR4	-2.56	2.78E-11	1.82E-08	-1.64		-9.95 Xq28
43 204897_at	PTGER4	5.27	1.51E-10	7.41E-08	1.68		9.90 5p13.1
44 201029_s_at	CD99	-1.81	1.13E-11	9.73E-09	-1.61		-9.89 Xp22.32
45 241696_at		3.13	3.64E-11	2.25E-08	1.62		9.81
46 214789_x_at	SRP46	4.12	8.67E-10	3.28E-07	1.71		9.76 11q22
47 201825_s_at	CGI-49	-3.27	2.66E-11	1.79E-08	-1.57		-9.61 1q44
48 204150_at	STAB1	-5.48	2.26E-09	6.96E-07	-1.74		-9.57 3p21.31
49 241383_at		-4.21	2.75E-09	7.92E-07	-1.75		-9.55
50 200068_s_at - HG-U133B	CANX	-1.65	2.98E-11	1.89E-08	-1.55		-9.52 5q35

2.10 AML_komplext versus AML_t(15;17)

# affy id	HUGO name	fc	p	q	stn	t	Map Location
1 205382_s_at	DF	-7.84	1.62E-15	2.79E-12	-2.74	-17.32	19p13.3
2 212953_x_at	CALR	-3.21	1.30E-13	9.18E-11	-2.45	-15.03	19p13.3-p13.2
3 203948_s_at	MPO	-4.01	3.68E-19	4.69E-15	-2.02	-14.64	17q23.1
4 214450_at	CTSW	-6.67	6.70E-14	6.09E-11	-2.28	-14.52	11q13.1
5 38487_at	STAB1	-5.91	5.67E-13	2.67E-10	-2.18	-13.64	3p21.31
6 216032_s_at	SDBCAG84	-3.37	2.16E-14	2.29E-11	-2.03	-13.59	20pter-q12
7 208826_x_at	HINT1	-1.69	7.49E-18	4.77E-14	-1.76	-12.96	5q31.2
8 238022_at		-7.84	7.82E-13	3.55E-10	-1.99	-12.81	
9 213147_at	HOXA10	11.01	4.54E-15	5.75E-12	1.91	12.80	7p15-p14
10 200931_s_at	VCL	4.91	6.72E-16	1.71E-12	1.82	12.74	10q22.1-q23
11 209732_at	CLECSF2	35.32	4.46E-14	4.37E-11	2.04	12.46	12p13-p12
12 200654_at	P4HB	-2.34	2.10E-16	8.89E-13	-1.70	-12.36	17q25
13 207721_x_at	HINT1	-1.89	6.21E-16	1.71E-12	-1.57	-11.54	5q31.2
14 200047_s_at - HG-U133A	YY1	2.32	1.07E-15	2.27E-12	1.55	11.37	14q
15 203949_at	MPO	-2.48	1.75E-15	2.79E-12	-1.53	-11.23	17q23.1
16 200093_s_at - HG-U133B	HINT1	-1.89	2.93E-15	4.15E-12	-1.50	-11.06	5q31.2
17 201923_at	PRDX4	8.38	3.10E-13	1.80E-10	1.63	11.02	Xp22.13
18 204897_at	PTGER4	5.03	4.97E-15	5.75E-12	1.48	10.91	5p13.1
19 217225_x_at	LOC283820	-2.07	6.98E-12	1.85E-09	-1.59	-10.73	16p13.13
20 227353_at	EVER2	4.55	1.06E-13	7.94E-11	1.51	10.69	17q25.3
21 206847_s_at	HOXA7	4.94	9.60E-14	7.94E-11	1.47	10.53	7p15-p14
22 227999_at	LOC170394	3.30	1.56E-13	1.04E-10	1.41	10.21	10q26.3
23 202600_s_at	NRIP1	12.57	3.27E-12	9.68E-10	1.52	10.19	21q11.2

24	207375_s_at	IL15RA	5.82	1.33E-12	5.36E-10	1.46	10.16 10p15-p14
25	214789_x_at	SRP46	3.86	1.77E-13	1.13E-10	1.40	10.14 11q22
26	221004_s_at	ITM2C	-3.41	2.27E-13	1.38E-10	-1.40	-10.14 2q37
27	204150_at	STAB1	-6.71	1.26E-09	8.02E-08	-1.73	-10.06 3p21.31
28	200934_at	DEK	2.41	1.06E-13	7.94E-11	1.36	10.01 6p23
29	208892_s_at	DUSP6	6.46	1.35E-12	5.36E-10	1.39	9.84 12q22-q23
30	202413_s_at	USP1	2.49	4.61E-13	2.37E-10	1.35	9.84 1p32.1-p31.3
31	217848_s_at	PP	3.96	1.63E-12	6.11E-10	1.38	9.78 10q11.1-q24
32	208891_at	DUSP6	6.82	9.06E-13	3.98E-10	1.36	9.77 12q22-q23
33	220798_x_at	FLJ11535	-3.66	2.63E-11	5.28E-09	-1.42	-9.75 19p13.3
34	224473_x_at	KIAA1813	2.33	9.97E-13	4.23E-10	1.36	9.75 10q24
35	225547_at		1.73	3.36E-13	1.86E-10	1.33	9.75
36	200008_s_at - HG-U133A	GDI2	-2.39	1.53E-11	3.41E-09	-1.40	-9.74 10p15
37	238949_at	FLJ31951	8.00	5.50E-12	1.49E-09	1.41	9.71 5q33.3
38	203535_at	S100A9	7.92	3.22E-12	9.68E-10	1.38	9.68 1q21
39	210788_s_at	retSDR4	-2.19	8.24E-11	1.17E-08	-1.44	-9.67 14q22.3
40	226460_at	KIAA1450	3.63	1.79E-12	6.33E-10	1.35	9.66 4q32.1
41	200093_s_at - HG-U133A	HINT1	-1.69	5.55E-13	2.67E-10	-1.32	-9.63 5q31.2
42	225172_at	CRAMP1L	2.61	4.65E-13	2.37E-10	1.31	9.60 16p13.3
43	229693_at		-2.78	1.07E-10	1.42E-08	-1.42	-9.56
44	203302_at	DCK	4.08	4.56E-12	1.30E-09	1.33	9.44 4q13.3-q21.1
45	200656_s_at	P4HB	-4.16	1.53E-09	9.31E-08	-1.51	-9.39 17q25
46	205033_s_at	DEFA1	5.34	2.50E-12	8.36E-10	1.30	9.37 8p23.2-p23.1
47	227308_x_at	SCYL1	4.60	1.47E-11	3.34E-09	1.35	9.36
48	205663_at	PCBP3	-3.06	1.14E-10	1.44E-08	-1.37	-9.35 21q22.3
49	202599_s_at	NRIP1	8.20	2.13E-11	4.38E-09	1.36	9.31 21q11.2
50	221087_s_at	APOL3	3.50	4.58E-12	1.30E-09	1.29	9.29 22q13.1